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## ABSTRACT

The invention relates to a hypoallergenic immunogenic molecule derived from the Phl p 6 allergen, wherein the Phl p 6 molecule has an N-terminal and/or C-terminal deletion which makes the molecule at least substantially lack IgE binding capacity. The invention also relates to a hypoallergenic immunogenic combination of molecules derived from the Phl p 6 allergen, comprising (i) a Phl p 6 molecule having an N-terminal deletion which makes the molecule at least substantially lack IgE binding capacity, and (ii) a Phl p 6 molecule having a C-terminal deletion which makes the molecule at least substantially lack IgE binding capacity, which two molecules together encompass the complete sequence of Phl p 6. The invention further relates to the use of the hypoallergenic immunogenic molecule or molecule mixture in hyposensitization and diagnosis.